MATERIALS FINER THAN No. 200 SIEVE IN MINERAL AGGREGATE BY WASHING AASHTO T 11

APPARATUS

[ ] Sieves
  [ ] Lower Sieve -- No. 200
  [ ] Upper Sieve -- Range of No. 8 to No. 16
[ ] Container of sufficient size to contain sample and permit vigorous agitation without loss of sample or water
[ ] Oven maintained at 230 ± 9°F
[ ] Spoon or trowel
[ ] Mechanical apparatus (optional)

PROCEDURE

[ ] Sample tested for gradation in accordance with AASHTO T 27
[ ] Weight of sample if not tested for gradation is as follows:

Nominal Maximum Aggregate Size *	Minimum Weight of Sample (g)
No. 4 or smaller	300
3/8 in.	1000
3/4 in.	2500
1 1/2 in.	5000

* If the nominal maximum size of aggregate is not listed, the next larger size shall be used to determine the size of sample.

[ ] Sample dried to constant weight at 230 ± 9°F
[ ] Weight of sample determined
[ ] Sample placed in container and covered with water
[ ] Sample agitated sufficiently to separate particles finer than No. 200 sieve from coarser particles
[ ] Wash water poured over nested sieves
[ ] Procedure repeated until wash water is clear
[ ] Material retained on nested sieves flushed to washed sample
[ ] Washed aggregate dried to constant weight at 230 ± 9°F
[ ] Weight of sample determined

Calculation

[ ] Amount of material passing a No. 200 sieve by washing is calculated correctly to 0.1% as follows:

$$A = \frac{B-C}{B} \times 100$$

where:
A = percentage of material finer than No. 200 sieve by washing
B = original dry weight of sample, g
C = dry weight of sample after washing, g

NA - Not Applicable
X - Requires Corrective Action
√ - Satisfactory

_____
Acceptance Technician

_____ _____
INDOT Date

Comments _____

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